iccSumm

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Set 1

"replace low judiciary with high judiciary in both models"

State model

	Estimate	l-95% CI	u-95% CI
icc_rat	1.27	1.10	1.43
lag1_civilwar	2.13	1.97	2.30
lag1_polity2	0.06	0.04	0.08
lag1_gdpCapLog	0.47	0.41	0.53
africa[1]	-0.18	-0.36	0.01
africa[2]	7.66	6.61	8.90
lag1_v2juhcind[1]	-0.08	-0.14	-0.01
lag1_v2juhcind[2]	-0.16	-0.40	0.08
lag1_osv_state_cumul[1]	0.52	0.48	0.55
lag1_osv_state_cumul[2]	-0.22	-0.40	-0.05
lag1_p5_absidealdiffMin[1]	-0.90	-1.20	-0.61
lag1_p5_absidealdiffMin[2]	4.31	3.06	5.59

Opp model

	Estimate	l-95% CI	u-95% CI
icc_rat	2.03	1.87	2.19
lag1_civilwar	1.47	1.32	1.62
lag1_polity2	-0.02	-0.03	0.00
lag1_gdpCapLog	-0.15	-0.22	-0.09
africa[1]	0.41	0.25	0.57
africa[2]	5.54	4.87	6.28
lag1_v2juhcind[1]	-0.30	-0.37	-0.22
lag1_v2juhcind[2]	-0.19	-0.42	0.05
lag1_osv_rebel_cumul[1]	0.41	0.38	0.43
lag1_osv_rebel_cumul[2]	0.16	0.11	0.22
lag1_p5_absidealdiffMin[1]	0.42	0.14	0.69
lag1_p5_absidealdiffMin[2]	3.49	2.54	4.48

Set 2

"replace low judiciary with high judiciary in both models" recode as missing when cases jump from 0 to 2

State model

	Estimate	l-95% CI	u-95% CI
icc_rat	1.28	1.11	1.44
lag1_civilwar	2.14	1.98	2.31
lag1_polity2	0.07	0.05	0.09
lag1_gdpCapLog	0.48	0.42	0.54
africa[1]	-0.17	-0.35	0.02
africa[2]	7.67	6.62	8.91
lag1_v2juhcind[1]	-0.07	-0.13	0.00
lag1_v2juhcind[2]	-0.15	-0.39	0.09
lag1_osv_state_cumul[1]	0.53	0.49	0.56
lag1_osv_state_cumul[2]	-0.21	-0.39	-0.04
lag1_p5_absidealdiffMin[1]	-0.89	-1.19	-0.60
lag1_p5_absidealdiffMin[2]	4.32	3.07	5.60

Opp model

	Estimate	l-95% CI	u-95% CI
icc_rat	2.04	1.88	2.20
lag1_civilwar	1.48	1.33	1.63
lag1_polity2	-0.01	-0.02	0.01
lag1_gdpCapLog	-0.14	-0.21	-0.08
africa[1]	0.42	0.26	0.58
africa[2]	5.55	4.88	6.29
lag1_v2juhcind[1]	-0.29	-0.36	-0.21
lag1_v2juhcind[2]	-0.18	-0.41	0.06
lag1_osv_rebel_cumul[1]	0.42	0.39	0.44
lag1_osv_rebel_cumul[2]	0.17	0.12	0.23
lag1_p5_absidealdiffMin[1]	0.43	0.15	0.70
lag1_p5_absidealdiffMin[2]	3.50	2.55	4.49

Set 3

- "replace low judiciary with high judiciary in both models"
- "replace p5 min affinity with p5 max affinity in the OPPOSITION model (i don't know if this variable exists already, but it probably wouldn't be too hard to create)"

State model

```
##                              Estimate l-95% CI u-95% CI
## icc_rat                          1.23     1.07     1.40
## lag1_civilwar                    2.17     1.99     2.34
## lag1_polity2                     0.09     0.07     0.11
## lag1_gdpCapLog                   0.47     0.41     0.53
## africa[1]                       -0.12    -0.30     0.06
## africa[2]                        7.20     6.24     8.23
## lag1_v2juhcind[1]               -0.06    -0.12     0.01
## lag1_v2juhcind[2]               -0.64    -0.89    -0.39
## lag1_osv_state_cumul[1]          0.50     0.47     0.54
## lag1_osv_state_cumul[2]         -0.21    -0.39    -0.03
## lag1_p5_absidealdiffMax[1]       0.25     0.12     0.37
## lag1_p5_absidealdiffMax[2]       0.49    -0.09     1.07
```

Opp model

```
##                              Estimate l-95% CI u-95% CI
## icc_rat                          1.90     1.73     2.07
## lag1_civilwar                    1.66     1.50     1.82
## lag1_polity2                    -0.08    -0.09    -0.06
## lag1_gdpCapLog                  -0.18    -0.25    -0.12
## africa[1]                        0.51     0.33     0.68
## africa[2]                        5.49     4.84     6.20
## lag1_v2juhcind[1]               -0.35    -0.42    -0.28
## lag1_v2juhcind[2]               -0.41    -0.66    -0.16
## lag1_osv_rebel_cumul[1]          0.44     0.41     0.47
## lag1_osv_rebel_cumul[2]          0.21     0.15     0.27
## lag1_p5_absidealdiffMax[1]      -1.17    -1.32    -1.02
## lag1_p5_absidealdiffMax[2]      -0.29    -0.75     0.19
```

Set 4

- "replace low judiciary with high judiciary in both models"
- "replace p5 affinity var with SM's network variable in both models"

State model

```
##                          Estimate l-95% CI u-95% CI
## icc_rat                      1.19     1.03     1.36
## lag1_civilwar                2.21     2.03     2.38
## lag1_polity2                 0.07     0.05     0.09
## lag1_gdpCapLog               0.45     0.39     0.50
## africa[1]                   -0.12    -0.31     0.06
## africa[2]                    7.34     6.44     8.32
## lag1_v2juhcind[1]           -0.08    -0.14    -0.01
## lag1_v2juhcind[2]           -0.65    -0.90    -0.41
## lag1_osv_state_cumul[1]      0.51     0.48     0.54
## lag1_osv_state_cumul[2]     -0.20    -0.38    -0.02
## lag1_p5_latAngleMin[1]      -0.18    -0.41     0.05
## lag1_p5_latAngleMin[2]       0.06    -0.78     0.90
```

Opp model

```
##                          Estimate l-95% CI u-95% CI
## icc_rat                      1.99     1.83     2.14
## lag1_civilwar                1.49     1.33     1.65
## lag1_polity2                -0.03    -0.05    -0.02
## lag1_gdpCapLog              -0.11    -0.17    -0.05
## africa[1]                    0.55     0.40     0.72
## africa[2]                    5.52     4.89     6.20
## lag1_v2juhcind[1]           -0.32    -0.39    -0.24
## lag1_v2juhcind[2]           -0.48    -0.71    -0.24
## lag1_osv_rebel_cumul[1]      0.41     0.38     0.43
## lag1_osv_rebel_cumul[2]      0.22     0.17     0.28
## lag1_p5_latAngleMin[1]      -1.19    -1.43    -0.94
## lag1_p5_latAngleMin[2]      -0.42    -1.10     0.27
```

Set 5

- "replace low judiciary with high judiciary in both models"
- "replace p5 affinity with defensive alliance variable in both models"

State model didn't converge thus the crazy estimates.

State model

```
## Warning: The model has not converged (some Rhats are > 1.1). Do not analyse the results!
## We recommend running more iterations and/or setting stronger priors.

## Warning: There were 115 divergent transitions after warmup. Increasing adapt_delta above 0.8 may hel
## See http://mc-stan.org/misc/warnings.html#divergent-transitions-after-warmup
```

	Estimate	l-95% CI	u-95% CI
icc_rat	1.030000e+00	8.500000e-01	1.20
lag1_civilwar	2.220000e+00	2.050000e+00	2.39
lag1_polity2	7.000000e-02	5.000000e-02	0.09
lag1_gdpCapLog	4.300000e-01	3.700000e-01	0.49
africa[1]	-1.000000e-02	-2.000000e-01	0.17
africa[2]	7.520000e+00	6.580000e+00	8.61
lag1_v2juhcind[1]	-8.000000e-02	-1.400000e-01	-0.01
lag1_v2juhcind[2]	-7.000000e-01	-9.500000e-01	-0.45
lag1_osv_state_cumul[1]	5.300000e-01	4.900000e-01	0.57
lag1_osv_state_cumul[2]	-4.800000e-01	-6.700000e-01	-0.30
lag1_p5_defAllyMax[1]	5.200000e-01	3.400000e-01	0.70
lag1_p5_defAllyMax[2]	-1.562222e+11	-7.386984e+11	-836378222.73

Opp model

	Estimate	l-95% CI	u-95% CI
icc_rat	1.89	1.73	2.05
lag1_civilwar	1.46	1.30	1.61
lag1_polity2	-0.03	-0.05	-0.02
lag1_gdpCapLog	-0.16	-0.23	-0.10
africa[1]	0.54	0.38	0.71
africa[2]	5.37	4.75	6.05
lag1_v2juhcind[1]	-0.31	-0.38	-0.24
lag1_v2juhcind[2]	-0.53	-0.77	-0.29
lag1_osv_rebel_cumul[1]	0.41	0.39	0.44
lag1_osv_rebel_cumul[2]	0.21	0.15	0.26
lag1_p5_defAllyMax[1]	0.55	0.38	0.73
lag1_p5_defAllyMax[2]	-0.78	-1.28	-0.26

Set 6

- "replace low judiciary with high judiciary in both models"
- "replace p5 affinity with p5_gov_clean in state model"
- "replace p5 affinity with p5_reb_clean in opposition model"

State model didn't converge thus the crazy estimates.

State model

```
## Warning: The model has not converged (some Rhats are > 1.1). Do not analyse the results!
## We recommend running more iterations and/or setting stronger priors.

## Warning: There were 105 divergent transitions after warmup. Increasing adapt_delta above 0.8 may hel
## See http://mc-stan.org/misc/warnings.html#divergent-transitions-after-warmup

##                              Estimate      l-95% CI      u-95% CI
## icc_rat                   1.210000e+00  1.040000e+00          1.38
## lag1_civilwar             2.210000e+00  2.040000e+00          2.38
## lag1_polity2              7.000000e-02  5.000000e-02          0.09
## lag1_gdpCapLog            4.400000e-01  3.800000e-01          0.49
## africa[1]                -1.700000e-01 -3.700000e-01          0.02
## africa[2]                 7.130000e+00  6.270000e+00          8.10
## lag1_v2juhcind[1]        -7.000000e-02 -1.300000e-01          0.00
## lag1_v2juhcind[2]        -6.500000e-01 -8.900000e-01         -0.41
## lag1_osv_state_cumul[1]   5.100000e-01  4.700000e-01          0.55
## lag1_osv_state_cumul[2] -1.900000e-01 -3.700000e-01         -0.01
## lag1_p5_gov_clean[1]    -1.000000e-01 -3.400000e-01          0.14
## lag1_p5_gov_clean[2]    -3.530208e+11 -2.446545e+12 -776382089.59
```

Opp model

```
##                          Estimate l-95% CI u-95% CI
## icc_rat                      2.21     2.04     2.39
## lag1_civilwar                1.46     1.30     1.62
## lag1_polity2                -0.03    -0.04    -0.01
## lag1_gdpCapLog              -0.03    -0.10     0.03
## africa[1]                    0.72     0.54     0.90
## africa[2]                    9.39     8.27    10.58
## lag1_v2juhcind[1]           -0.29    -0.36    -0.22
## lag1_v2juhcind[2]           -0.99    -1.25    -0.73
## lag1_osv_rebel_cumul[1]      0.39     0.36     0.42
## lag1_osv_rebel_cumul[2]      0.32     0.26     0.39
## lag1_p5_reb_clean[1]         0.92     0.69     1.15
## lag1_p5_reb_clean[2]         4.40     3.50     5.36
```

Set 7

- "replace low judiciary with high judiciary in both models"
- "include all p5 vars again"
- "maybe also include pts again?"

State model didn't converge thus the crazy estimates.

State model

```
## Warning: The model has not converged (some Rhats are > 1.1). Do not analyse the results!
## We recommend running more iterations and/or setting stronger priors.
```

```
## Warning: There were 135 divergent transitions after warmup. Increasing adapt_delta above 0.8 may help
## See http://mc-stan.org/misc/warnings.html#divergent-transitions-after-warmup
```

```
##                                Estimate      l-95% CI      u-95% CI
## icc_rat                     1.110000e+00  9.300000e-01  1.300000e+00
## lag1_civilwar               2.170000e+00  2.000000e+00  2.340000e+00
## lag1_polity2                6.000000e-02  4.000000e-02  8.000000e-02
## lag1_gdpCapLog              4.600000e-01  3.900000e-01  5.200000e-01
## africa[1]                  -7.000000e-02 -2.700000e-01  1.400000e-01
## africa[2]                   7.480000e+00  6.100000e+00  9.010000e+00
## lag1_v2juhcind[1]          -9.000000e-02 -1.500000e-01 -2.000000e-02
## lag1_v2juhcind[2]          -3.000000e-01 -5.900000e-01  0.000000e+00
## lag1_osv_state_cumul[1]     5.400000e-01  5.000000e-01  5.700000e-01
## lag1_osv_state_cumul[2]    -5.600000e-01 -8.000000e-01 -3.400000e-01
## lag1_p5_absidealdiffMin[1] -8.800000e-01 -1.180000e+00 -6.000000e-01
## lag1_p5_absidealdiffMin[2]  4.570000e+00  3.300000e+00  5.900000e+00
## lag1_p5_defAllyMax[1]       4.800000e-01  3.000000e-01  6.700000e-01
## lag1_p5_defAllyMax[2]      -6.851477e+11 -1.999591e+12 -3.911114e+09
## lag1_p5_gov_clean[1]       -3.000000e-02 -2.800000e-01  2.000000e-01
## lag1_p5_gov_clean[2]       -3.495483e+11 -1.196541e+12 -6.815596e+09
```

Opp model

```
##                            Estimate l-95% CI u-95% CI
## icc_rat                        2.12     1.95     2.29
## lag1_civilwar                  1.38     1.23     1.54
## lag1_polity2                  -0.03    -0.05    -0.01
## lag1_gdpCapLog                -0.13    -0.19    -0.06
## africa[1]                      0.95     0.76     1.14
## africa[2]                      8.62     7.48     9.81
## lag1_v2juhcind[1]             -0.28    -0.36    -0.21
## lag1_v2juhcind[2]             -0.68    -1.02    -0.34
## lag1_osv_rebel_cumul[1]        0.40     0.37     0.43
## lag1_osv_rebel_cumul[2]        0.26     0.19     0.32
## lag1_p5_absidealdiffMin[1]     0.52     0.22     0.81
## lag1_p5_absidealdiffMin[2]     3.43     2.32     4.56
## lag1_p5_defAllyMax[1]          0.77     0.59     0.96
## lag1_p5_defAllyMax[2]         -0.46    -1.02     0.11
## lag1_p5_reb_clean[1]           1.21     0.96     1.46
## lag1_p5_reb_clean[2]           3.97     3.09     4.92
```